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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/015,281	12/12/2001	Michael Wayne Brown	AUS920010819US1	7038

7590

10/08/2003

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EXAMINER

ELAHEE, MD S

ART UNIT	PAPER NUMBER
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2645

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DATE MAILED: 10/08/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/015,281

Applicant(s)

BROWN ET AL.

Examiner

Md S Elahee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21, 52 and 53 is/are pending in the application.
- 4a) Of the above claim(s) 22-51 is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-21, 52 and 53 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 02.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

1. This action is responsive to an amendment filed on 07/16/03. Claims 1-21, 52 and 53 are pending.

Response to Arguments

2. Applicant's arguments with respect to claims 1-21, 52 and 53 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-3, 5-7, 9-12, 14-16, 18-20, 52 and 53 are rejected under 35 U.S.C. 102(e) as being anticipated by McAllister et al. (U.S. Patent No. 6,442,242).

Regarding claim 1, McAllister teaches receiving speech for a caller at the voice processor 20 external to the PBX 10 (fig.1; col.5, lines 48-67, col.6, lines 1-3, 24-43; 'speech' reads on the claim 'a voice utterance', 'voice processor 20' reads on the claim 'server' and 'PBX 10' reads on the claim 'trusted telephone network').

McAllister further teaches a caller identity associated with the speech at the voice processor 20, such that the caller identity is transmittable within the PBX 10 as an authenticated

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identity of the caller for a call (fig.1, fig.2, fig.4; col.5, lines 48-67, col.6, lines 1-3, 24-43, col.7, lines 18-32, 55-67, col.8, lines 1-10; 'speech' reads on the claim 'a voice utterance', 'voice processor 20' reads on the claim 'server' and 'PBX 10' reads on the claim 'trusted telephone network').

Regarding claims 2 and 11, McAllister teaches receiving speech through a connection between the voice processor 20 and the PBX 10 (fig.1; col.5, lines 39-43, 48-67, col.6, lines 1-3, 24-43; 'speech' reads on the claim 'a voice utterance', 'connection' reads on the claim 'secure channel', 'voice processor 20' reads on the claim 'server' and 'PBX 10' reads on the claim 'trusted telephone network').

Regarding claims 3 and 12, McAllister teaches receiving, at the voice processor 20, a request for a caller identity from the PBX 10 (fig.1; col.5, lines 39-43, 48-67, col.6, lines 1-3, 24-43; 'voice processor 20' reads on the claim 'server', 'caller identity' reads on the claim 'caller identity authentication service' and 'PBX 10' reads on the claim 'trusted telephone network').

McAllister further teaches prompting the caller to provide the speech (col.6, lines 24-43, col.7, lines 18-32, 55-67, col.8, lines 1-10; 'speech' reads on the claim 'a voice utterance').

Regarding claims 5 and 14, McAllister teaches the PBX 10 comprising a plurality of subscriber telephone stations (fig.1; col.4, lines 44-53; 'PBX 10' reads on the claim 'trusted telephone network' and 'plurality of subscriber telephone stations' reads on the claim 'public switching telephone network').

Regarding claims 6 and 15, McAllister teaches a private automatic branch exchange (fig.1; col.4, lines 44-53; 'private automatic branch exchange' reads on the claim 'private switching system').

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Regarding claim 7, McAllister teaches accessing the voice processor 20 from the PBX 10 through an Internet connection (fig.1; col.5, lines 39-43, 48-67, col.6, lines 1-3, 24-52; 'voice processor 20' reads on the claim 'server' and 'PBX 10' reads on the claim 'trusted telephone network').

Regarding claims 9 and 19, McAllister teaches transferring the caller identity to the PBX 10 switch through a connection (fig.1; col.5, lines 39-43, 48-67, col.6, lines 1-3, 24-43; 'the PBX 10 switch' reads on the claim 'trusted telephone network' and 'connection' reads on the claim 'secure channel').

Regarding claim 10, McAllister teaches the voice processor 20 communicatively connected to a PBX 10 by an external network (fig.1; col.4, lines 58-65, col.5, lines 39-43, 48-67, col.6, lines 1-3, 24-43; 'voice processor 20' reads on the claim 'server system' and 'PBX 10' reads on the claim 'trusted telephone network').

McAllister teaches receiving speech for a caller at the voice processor 20 external to the PBX 10 (fig.1; col.5, lines 48-67, col.6, lines 1-3, 24-43; 'speech' reads on the claim 'a voice utterance', 'voice processor 20' reads on the claim 'server' and 'PBX 10' reads on the claim 'trusted telephone network').

McAllister further teaches identifying a caller identity associated with the speech (fig.1, fig.2, fig.4; col.5, lines 48-67, col.6, lines 1-3, 24-43, col.7, lines 18-32, 55-67, col.8, lines 1-10; 'speech' reads on the claim 'a voice utterance').

McAllister further teaches transmitting the caller identity to the PBX 10 as an authenticated identity of the caller for a call (fig.1, fig.2, fig.4; col.5, lines 48-67, col.6, lines 1-3,

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24-43, col.7, lines 18-32, 55-67, col.8, lines 1-10; 'PBX 10' reads on the claim 'trusted telephone network').

Regarding claim 16, McAllister teaches that the external network is the internet (fig.1; col.6, lines 24-52).

Regarding claims 18 and 20, McAllister teaches database (col.6, lines 24-43; 'database' reads on the claim 'recording medium').

McAllister further teaches receiving speech for a caller at the voice processor 20 communicatively connected to a PBX 10 via an external network (fig.1; col.4, lines 58-65, col.5, lines 39-43, 48-67, col.6, lines 1-3, 24-43; 'receiving speech' reads on the claim 'enabling receipt of a voice utterance', 'voice processor 20' reads on the claim 'server system' and 'PBX 10' reads on the claim 'trusted telephone network').

McAllister further teaches identifying a caller identity associated with the speech (col.6, lines 24-43, col.7, lines 18-32, 55-67, col.8, lines 1-10; 'speech' reads on the claim 'a voice utterance').

McAllister further teaches controlling transmission of the caller identity to the PBX 10 as an authenticated identity of the caller for a call (col.6, lines 24-43, col.7, lines 18-32, 55-67, col.8, lines 1-10; 'PBX 10' reads on the claim 'trusted telephone network').

Regarding claim 52, McAllister teaches receiving, from a PBX 10, a caller identity for a caller at a telephony device wherein the caller identity is identified at a voice processor 20 accessible via a network external to the PBX 10, wherein the PBX 10 initiates the identification service (fig.1, fig.2, fig.4; col.5, lines 48-67, col.6, lines 1-3, 24-43, col.7, lines 18-32, 55-67, col.8, lines 1-10; 'PBX 10' reads on the claim 'trusted telephone network', 'caller identity' reads

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on the claim 'authenticated caller identity' and 'identified at a voice processor 20' reads on the claim 'authenticated at a authentication service').

McAllister further teaches controlling output of the caller identity from the telephony device, such that the desired party with access to the telephony device is informed of the identity of the caller (fig.1, fig.2, fig.4; col.5, lines 48-67, col.6, lines 1-3, 24-43, col.7, lines 18-32, 55-67, col.8, lines 1-10; 'caller identity' reads on the claim 'authenticated caller identity' and 'desired party' reads on the claim 'individual').

Regarding claim 53, McAllister teaches receiving, at a telephony device, connection via a PBX 10 to an identification service, wherein the PBX 10 initiates the identification service (fig.1; col.12, lines 6-15, col.13, lines 41-60, col.17, lines 62-67, col.18, lines 1-25; 'connection' reads on the claim 'secure channel', 'PBX 10' reads on the claim 'trusted telephone network' and 'identification' reads on the claim 'authentication').

McAllister further teaches facilitating, from the telephony device, communications between the identification service and a caller such that the identification service is enabled to identify an identity of the caller (fig.1; col.12, lines 6-15, col.13, lines 41-60, col.17, lines 62-67, col.18, lines 1-25; 'identification' reads on the claim 'authentication' and 'identify' reads on the claim 'authenticate').

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 4, 13 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over McAllister et al. (U.S. Patent No. 6,442,242) and in view of Bartholomew et al. (U.S. Patent No. 6,167,119).

Regarding claims 4, 13 and 21, McAllister fails to teach “extracting speech characteristics from said voice utterance”. Bartholomew teaches extracting certain characteristic information from the speech (col.13, lines 41-60, col.20, lines 41-49; ‘certain characteristic information’ reads on the claim ‘speech characteristics’ and ‘speech’ reads on the claim ‘voice utterance’). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify McAllister to allow extracting speech characteristics from said voice utterance as taught by Bartholomew. The motivation for the modification is to have doing so in order to make comparison of a caller speech.

McAllister further fails to teach “comparing said speech characteristics with a plurality of voice samples stored for identifying a plurality of callers”. Bartholomew teaches comparing the extracted characteristic information with a stored pattern information for identifying a caller (col.13, lines 41-60, col.20, lines 41-49; ‘certain characteristic information’ reads on the claim ‘speech characteristics’, ‘stored pattern information’ reads on the claim ‘plurality of voice samples stored’ and ‘caller’ reads on the claim ‘plurality of callers’). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify McAllister to allow comparing said speech characteristics with a plurality of voice samples stored for identifying a plurality of callers as taught by Bartholomew. The motivation for the modification is to have doing so in order to verify the identity of the caller.

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7. Claims 8 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over McAllister et al. (U.S. Patent No. 6,442,242) and in view of Yoon et al. (U.S. Pub. No. 2001/0047414).

Regarding claim 8, McAllister fails to teach “accessing said server from said trusted telephone network through a private network connection”. Yoon teaches accessing the IP from the PSTN network through a dedicated private network (abstract; fig.2; page no.4, paragraph 0073; ‘IP’ reads on the claim ‘server’, ‘PSTN network’ reads on the claim ‘trusted telephone network’ and ‘dedicated private network’ reads on the claim ‘private network connection’). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify McAllister to allow accessing the server through a private network connection as taught by Yoon. The motivation for the modification is to have the private network connection in order to make use of private lines over carrier transmission facilities.

Regarding claim 17, McAllister fails to teach “external network is a private network”. Yoon teaches that external network is a dedicated private network (abstract; fig.2; page no.4, paragraph 0073; ‘dedicated private network’ reads on the claim ‘private network’). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify McAllister to allow external network as a private network connection as taught by Yoon. The motivation for the modification is to have the private network connection in order to make use of private lines over carrier transmission facilities.

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Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alam Elahee whose telephone number is (703) 305-4822. The examiner can normally be reached on Mon to Fri from 9:00am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Hofsass can be reached on (703)305-4717. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4750.

M. E.

MD SHAFIUL ALAM ELAHEE

October 3, 2003

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